

In the claims

1.(currently amended) A pressure responsive mold for casting a fishing sinker containing bismuth:

a mold part having a fixed sidewall, said fixed sidewall defining a portion of an interior mold surface;

a retractable member, said retractable member having a face for defining a further portion of an interior mold surface, said face and said fixed sidewall forming a cavity having a casting volume;

an entry port for introducing a molten metal that expands during a solidification phase into the cavity in the mold; and

a retaining member, said retaining member maintaining said interior mold surface and said face in position during an injection of a molten material therein, said retaining member retractable in response to an increase in the cavity pressure caused by solidification to displace the face relative to the sidewall to thereby form a solidification cavity wherein the face and the fixed sidewall contain a solidification volume that is greater than the casting volume.

2. (original) The pressure responsive mold of claim 1 wherein the retaining member comprises a spring.

3. (original) The pressure responsive mold of claim 2 wherein the spring is loaded to generate a force that is unresponsive to movement of the face until the solidification pressure exceeds the injection pressure.

4. (original) The pressure responsive mold of claim 1 wherein the retaining member includes a source of pressurized fluid

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24. (Canceled)
25. (Canceled)
26. (Canceled)

a pressure responsive mold for casting and a retractable member having a face for defining an interior mold surface.

Respectfully submitted,
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